Super Reduced String

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Steve has a string, s, consisting of n lowercase English alphabetic letters. In one operation, he can delete any *pair of adjacent letters* with same value. For example, string " `aabcc` " would become either " `aab` " or " `bcc` " after 1 operation.

Steve wants to reduce s as much as possible. To do this, he will repeat the above operation as many times as it can be performed. Help Steve out by finding and printing s's non-reducible form!

Note: If the final string is empty, print `Empty String` .

Input Format

A single string, s.

Constraints

- $1 \leq n \leq 100$

Output Format

If the final string is empty, print `Empty String` ; otherwise, print the final non-reducible string.

Sample Input 0

```
aaabccddd
```

Sample Output 0

```
abd
```

Sample Case 0

Steve can perform the following sequence of operations to get the final string:

1. `aaabccddd` → `abccddd`
2. `abccddd` → `abddd`
3. `abddd` → `abd`

Thus, we print `abd` .

Sample Input 1

```
baab
```

Sample Output 1

```
Empty String
```

Explanation 1

Steve can perform the following sequence of operations to get the final string:

1. `baab` → `bb`
2. `bb` → `Empty String`

Thus, we print `Empty String`.

Sample Input 2

```
aa
```

Sample Output 2

```
Empty String
```

Explanation 2

Steve can perform the following sequence of operations to get the final string:

1. `aa` → `Empty String`

Thus, we print `Empty String`.

Submissions: 35340
Max Score: 10
Difficulty: Easy

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C#

```
using System;
using System.Collections.Generic;
using System.IO;
class Solution {
    static void Main(String[] args) {
        string s = Console.ReadLine();
        int i = 0;

        while (i < s.Length-1)
        {
            if (s[i] == s[i+1])
            {
                string s0 = i-1 >= 0 ? s.Substring(0, i) : "";
                string s1 = i+2 < s.Length ? s.Substring(i+2, (s.Length - i - 2)) : "";
                s = s0 + s1;
                i = 0;
            }
            else
                i++;
        }
        s = String.IsNullOrEmpty(s)? "Empty String" : s;
        Console.WriteLine($"{s}");
    }
}
```

Line: 10 Col: 10

Upload Code as File Test against custom input Run Code Submit Code

Congrats, you solved this challenge!

- ✔ Test Case #0
- ✔ Test Case #1
- ✔ Test Case #2
- ✔ Test Case #3
- ✔ Test Case #4
- ✔ Test Case #5
- ✔ Test Case #6
- ✔ Test Case #7
- ✔ Test Case #8
- ✔ Test Case #9
- ✔ Test Case #10
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